

## LFP POWERPACKS

### SCALABLE ENERGY STORAGE



Australian designed  
and engineered



Safe and proven  $\text{LiFePO}_4$  chemistry  
using cylindrical cells



Greater cycle life reducing  
total cost of ownership



Less than half the weight of an  
equivalent lead acid battery



Integrated Battery  
Management System (BMS)  
for added safety and reliability



Fully recyclable and accepted  
by Australian recyclers



No outgassing of dangerous gasses  
such as Hydrogen Sulphide



5 year warranty\*

[genz.com.au](http://genz.com.au)

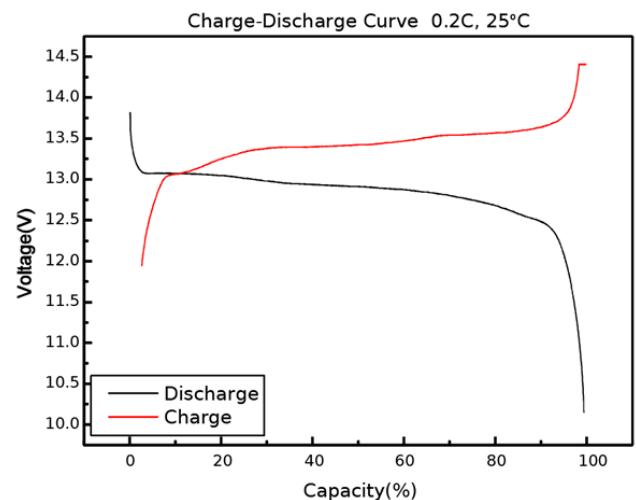


# SPECIFICATIONS

Part Number	GC12V-050LFP-SPP	GC12V-060LFP-SPP
Chemical Composition	Lithium Ferro (Iron) Phosphate (LiFePO <sub>4</sub> )	
Nominal Voltage	12.8V (12V)	
<sup>1</sup> Nominal Capacity	50AH	60AH
Charge Current	10A	
Max Discharge Current	30A	
Charge/Discharge Cycles	5000 @ 75% DoD, 25°C	
<sup>2</sup> Operating Temperature	-20° to 60°C	
Operating Relative Humidity	Up to 85%	
Ingress Protection (IP)	IP65	
Size Standard (L x W x H) GC12V-XXXLFP-SPP	178±1mm x 127±1mm x 240mm	
Size Optional (L x W x H) GC12V-XXXLFP-SPP-1	165±1mm x 127±1mm x 240mm	
Connector	IP67 9 pin bayonet connector with protective dust and moisture cap	
Connection, DC and Temperature (standard)	Weipu 9-pin IP67 harness, 600mm red/black cable terminated with JST VLP02 power connector and JST PHR-3 temperature connector.	
<sup>3</sup> (Optional Parallel)	Weipu parallel harness with temperature sensor connection for connecting double stacked batteries together	
Weight (not including harnesses)	7.5kg	
BMS Over Volt/charge Cut Off	15.6V	
<sup>4</sup> BMS Under Volt Cut Off	10V	
BMS Short Circuit Cut Off	140±30A (20mS Trip)	
BMS Over Temp Cut Off	65°C	
BMS Cell Protection	Automatic cell balancing	
BMS Communications (Optional)	Contact <a href="mailto:info@genz.com.au">info@genz.com.au</a> for further details on MODBUS RTU, CANBus and Bluetooth interfaces for this battery type	
Charge Time	Approx. 5 hours at 10A	
Storage Temperatures (°C)	Min -5°C	Max 50°C
Humidity	Up to 85%	
<sup>5</sup> Self Discharge	14% per annum	
Warranty (Standard)	5 years from date of purchase	
Extended manufacturer warranty (Optional)	Contact <a href="mailto:info@genz.com.au">info@genz.com.au</a>	



Designed for standalone industrial solar power storage



- Available in 50AH and 60AH capacity with optional higher capacity
- Internal LM35 temperature sensor
- Greater cycle life reducing total cost of ownership
- Corrosion resistant aluminium case and stainless steel handle
- Hi quality IP65 rated quick connect bayonet connector straight and right angle
- Integrated Battery Management System (BMS) for added safety and reliability
- Ideally suited to both PWM and MPPT solar chargers
- Parallel operation and can be double stacked using genZ stacking inserts and paralleling harness

<sup>1</sup>Also available in even higher capacities utilising an optional taller case

<sup>2</sup>It is not recommended to charge the battery where ambient temperatures are below -5°C

<sup>3</sup>2 x Right Angle connectors in parallel to facilitate double stacking of 2 battery packs

<sup>4</sup>Where solar regulators require a lower under volt cut-off, a genZ 'solar boost module' can be supplied either integrated within the battery or as a separate field service kit

<sup>5</sup>While the batteries can be safely stored for up to 3 years, the batteries should be fully charged after any storage period beyond 6 months

## Contact Us

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\*Terms and conditions apply